



#### PAVILION

P1	46.00°	01-23-25-47-49-71-73-95	Cut to centerpoint.
P2	44.86°	03-21-27-45-51-69-75-93	Meet at culet.
G1	90.00°	01-23-25-47-49-71-73-95	Set stone size.
G2	90.00°	03-21-27-45-51-69-75-93	Level girdle.
P3	44.00°	96-24-48-72	Meet P1, G1
P4	42.58°	02-22-26-46-50-70-74-94	Meet P1, P2, P3; culet

#### CROWN

C1	70.73°	03-21-27-45-51-69-75-93	Set girdle width.
C2	70.41°	01-23-25-47-49-71-73-95	Level girdle.
C3	38.27°	12-36-60-84	Meet G1, C1
C4	64.63°	96-24-48-72	Meet G2, C2; C1, C2, C3
C5	30.51°	05-19-29-43-53-67-77-91	Meet C1, C2, C3, C4
C6	24.28°	03-21-27-45-51-69-75-93	Meet C3, C5; C4, C5
C7	22.86°	96-24-48-72	Meet C4, C5, C6
C8	15.00°	12-36-60-84	Meet C3, C5, C6
T	0.00°	Table	Meet C6, C7, C8

I came up with this crown concept way back in 2012, but rebuilt the entire pavilion in 2014. It functions much, MUCH better now that it has some decent depth to it. I'm very much a fan of the sun motif on the crown around the table, as it's very Tucson-esque. Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, and since it's so tall it should do well in paler materials.

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